

M. grisea	MSARGFSKALRPMARQLATPAVQRSSFVAASSMVRATR--KAAVAPTQQQ
N. crassa	MAARNCTKALRPLARQLATPAVQRRTVAAASAVRASVAVKAVAAPARQQ
S. cerevisiae	---MLRTQAARLICNSRVITAK--RTFALATRAAAYSRP-AARFVKPMIT
*.....*.....*.....*.....*
M. grisea	IRGVKTMDFAGHKEQVWERADWPKEKLLEYFKDDTLALIGYGSQGHGQGL
N. crassa	VRGVKTMDFAGHKEEVHERADWPAEKLLDYFKNDTLALIGYGSQGHGQGL
S. cerevisiae	TRGLKQINFGGTVETVYERADWPREKLLDYFKNDTFALIGYGSQGYGQGL
	..***.***.*****.*****.*****.*****.*****.*****
M. grisea	NLRDNGLNVIIIGVRKDGSWKDADQDGWVPGKNLFEVDEAISRGTVIMNL
N. crassa	NLRDNGLNVIVGVRKNGKSWEDAIQDGWVPGKNLFDVDEAISRGTVIMNL
S. cerevisiae	NLRDNGLNVIIIGVRKDGSWKAIAEDGWVPGKNLFTVEDAIKRGSYVMNL
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	LSDAAQSETWPALKPQITKGKTLYFSHGFSPVFKDLTKVEVPTDVILC
N. crassa	LSDAAQSETWPHIKPQITKGKTLYFSHGFSPVFKDLTKVEVPTDVILV
S. cerevisiae	LSDAAQSETWPAIKPLLTGKTLYFSHGFSPVFKDLTHVEPPKLDVILV
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	APKGSGRTVRLFREGRGINSFFAVYQDVTGEAEKAIALGVAIGSGYLY
N. crassa	APKGSGRTVRLFREGRGINSFFAVYQDVTGAKAKEVALGVAVGSGYLY
S. cerevisiae	APKGSGRTVRLFKEGRGINSSYAVWNDVTGKAHEKAQALAVAIGSGYVY
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	KTFEKEVYSDLYGERGCLMGGIHMFLAQYEVLRERGHSPSEAFNETVE
N. crassa	ETTFEKEVYSDLYGERGCLMGGIHMFLAQYEVLRERGHSPSEAFNETVE
S. cerevisiae	QTTFEREVNSDLYGERGCLMGGIHMFLAQYDVLRENGHSPSEAFNETVE
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	EATQSLYPLIGANGMDWMYEACSTARRGAIDWSPRFKDALKPVFNQLYD
N. crassa	EATQSLYPLIGAHGMDWMFDACSTARRGAIDWTPFKDALKPVFNLYD
S. cerevisiae	EATQSLYPLIGKYGMDYMYDACSTARRGALDWYPIFKNALKPVFDQLYE
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	SVKDGSETQRSLDNSQPDYREKYEAEEMEEIRNLEIWRAGKAVRSLRPN
N. crassa	SVKNGDERKRSLEYNSQPDYRERYEAELEIRNLEIWRAGK--RSLRPN
S. cerevisiae	STKNGTETKRSLEFNSQPDYREKLEKELDTIRNMEIWKVGKEVRKLRPN
	*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	QKQK
N. crassa	QK--
S. cerevisiae	Q---
	*

Fig. 1

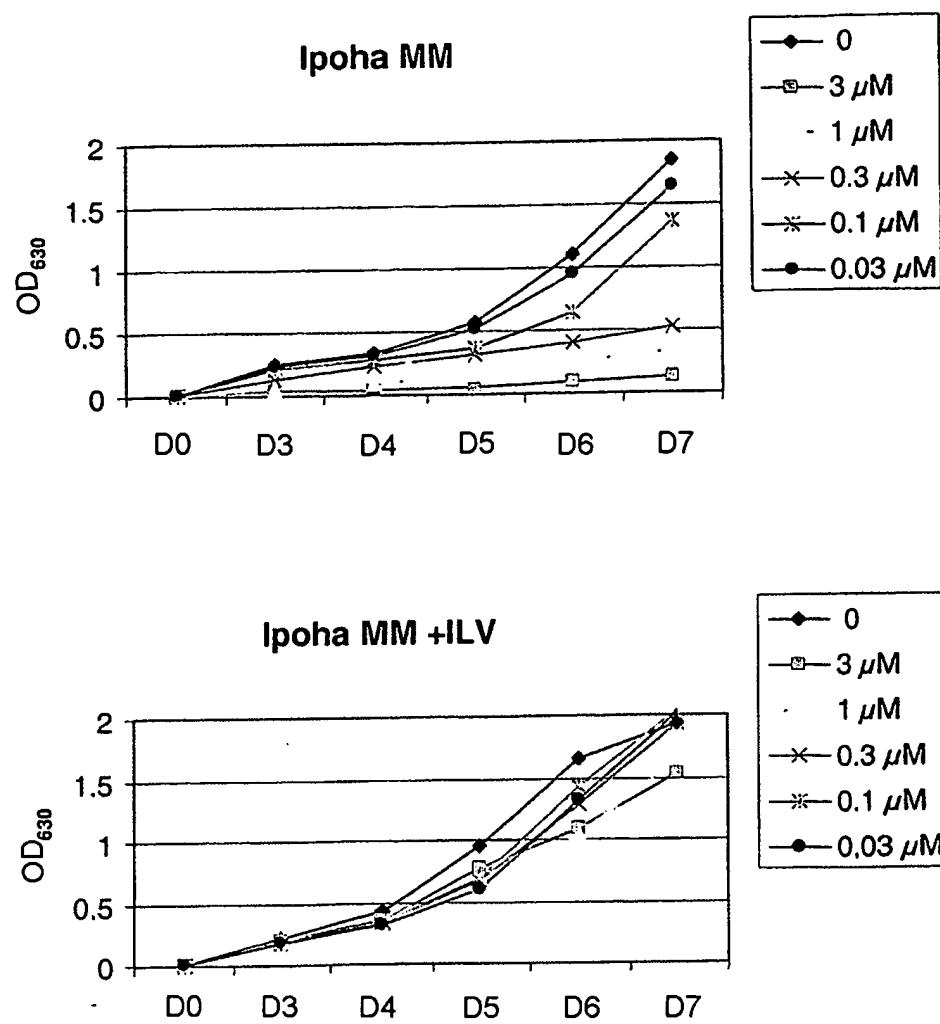


Fig. 2

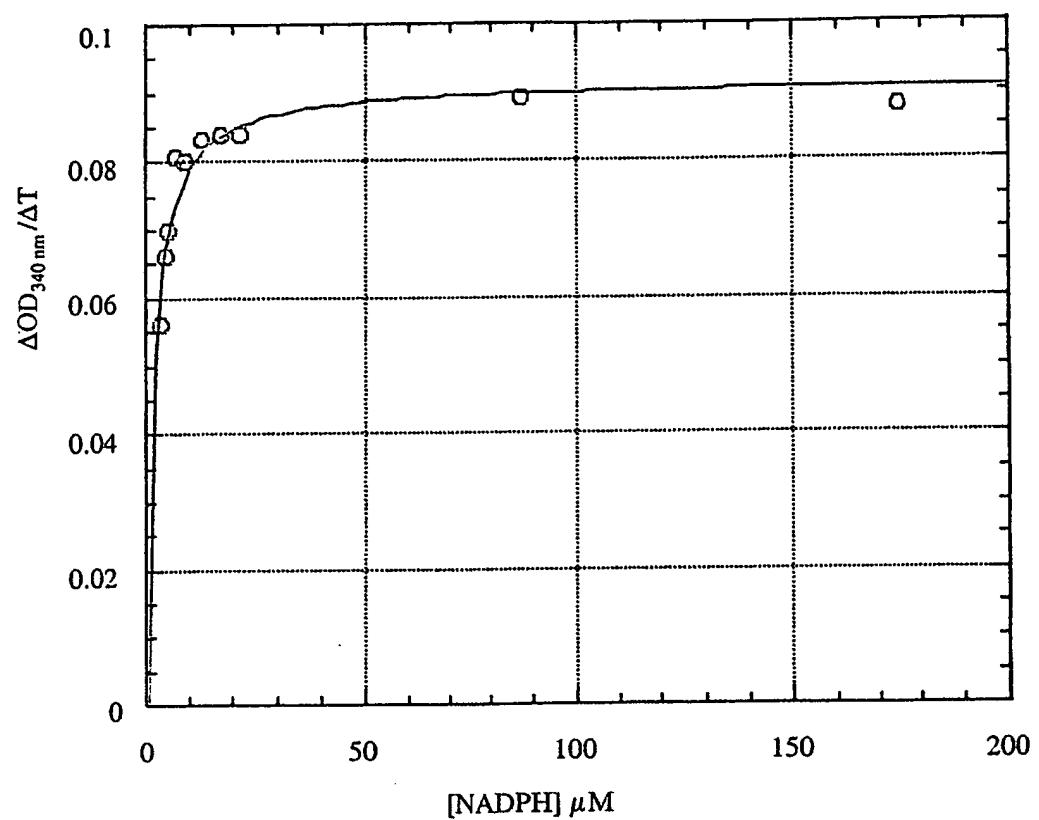
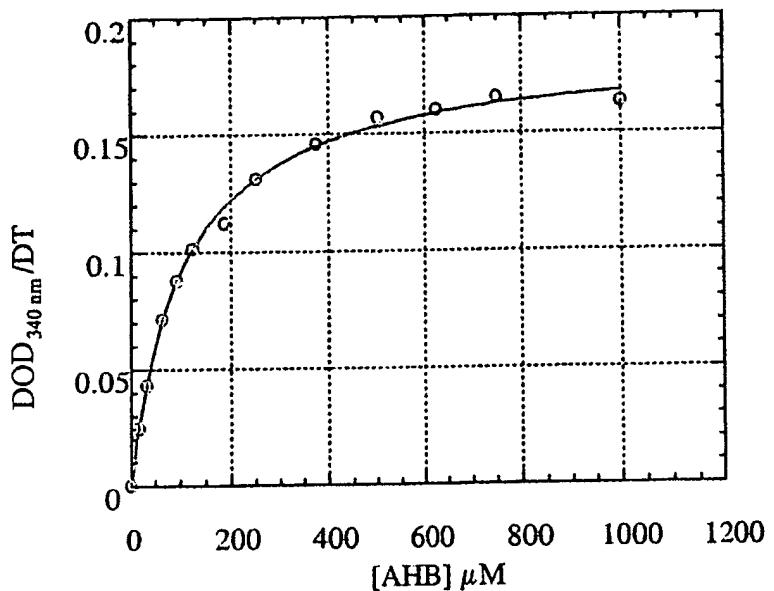
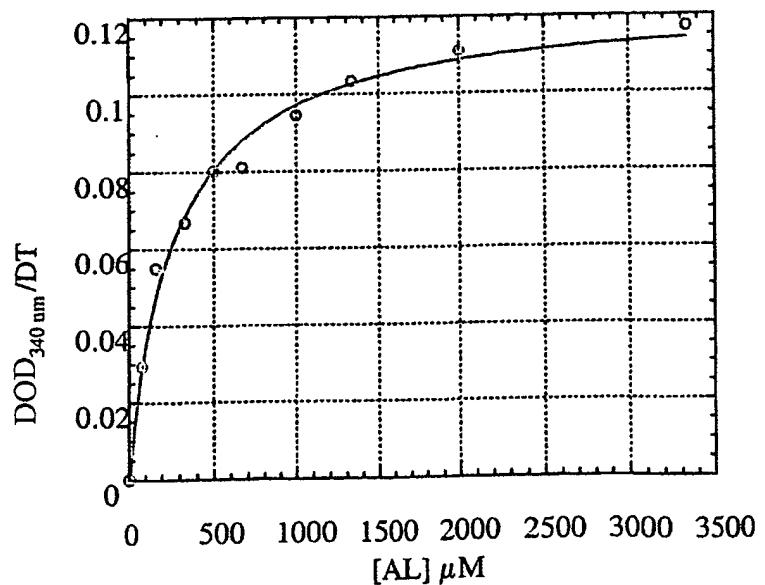


Fig. 3

A**B****Fig.4**

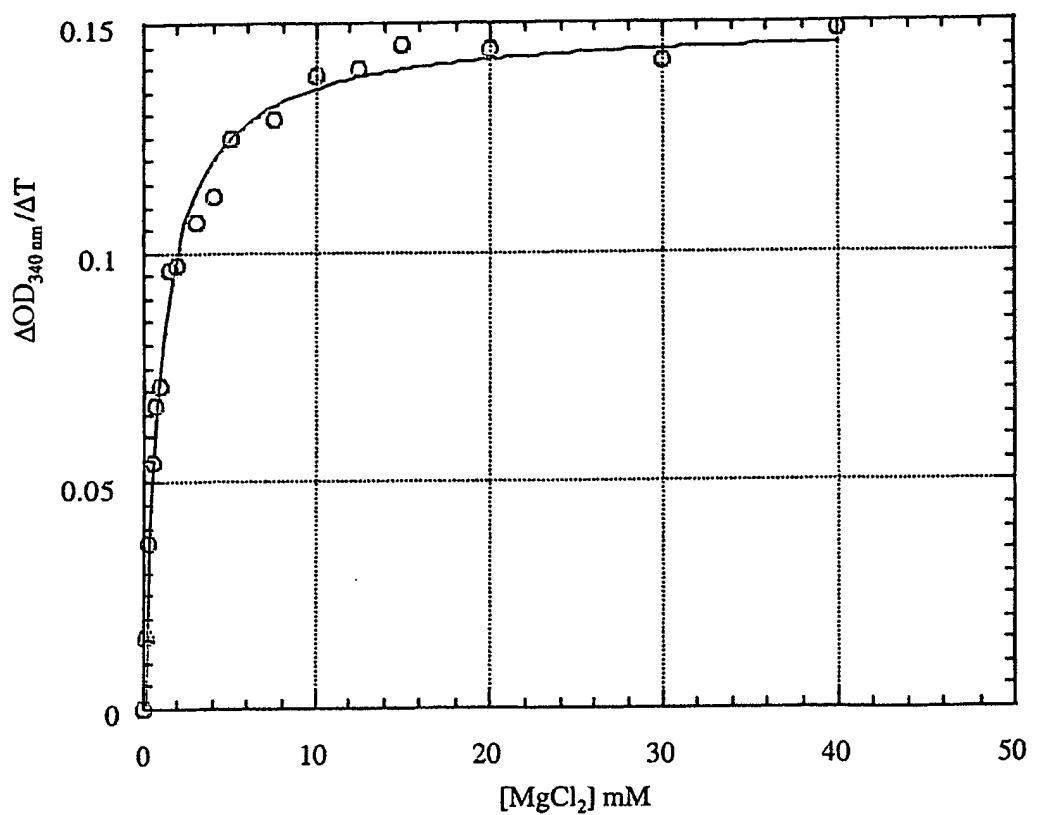
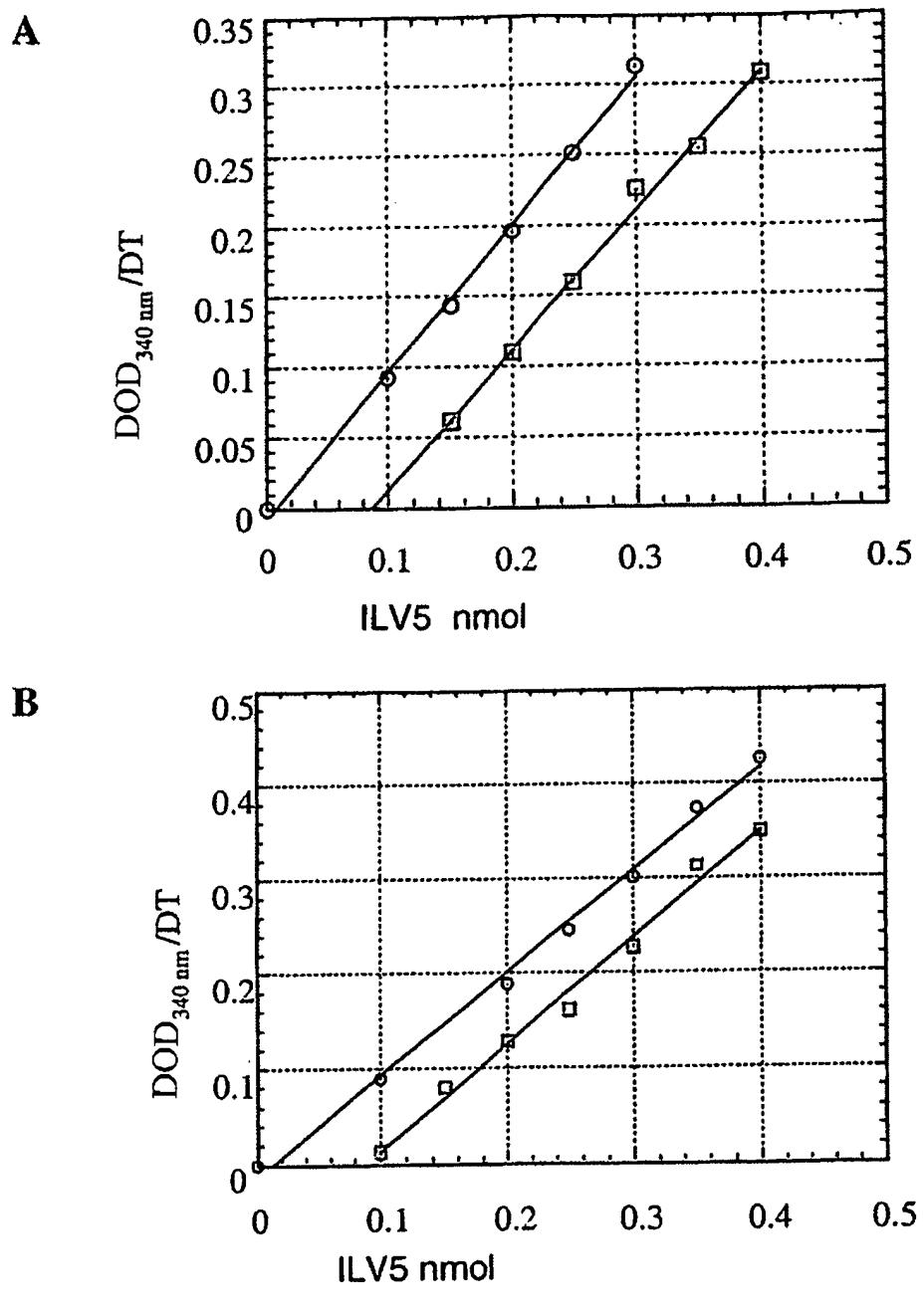


Fig.5



○ control

Fig. 6

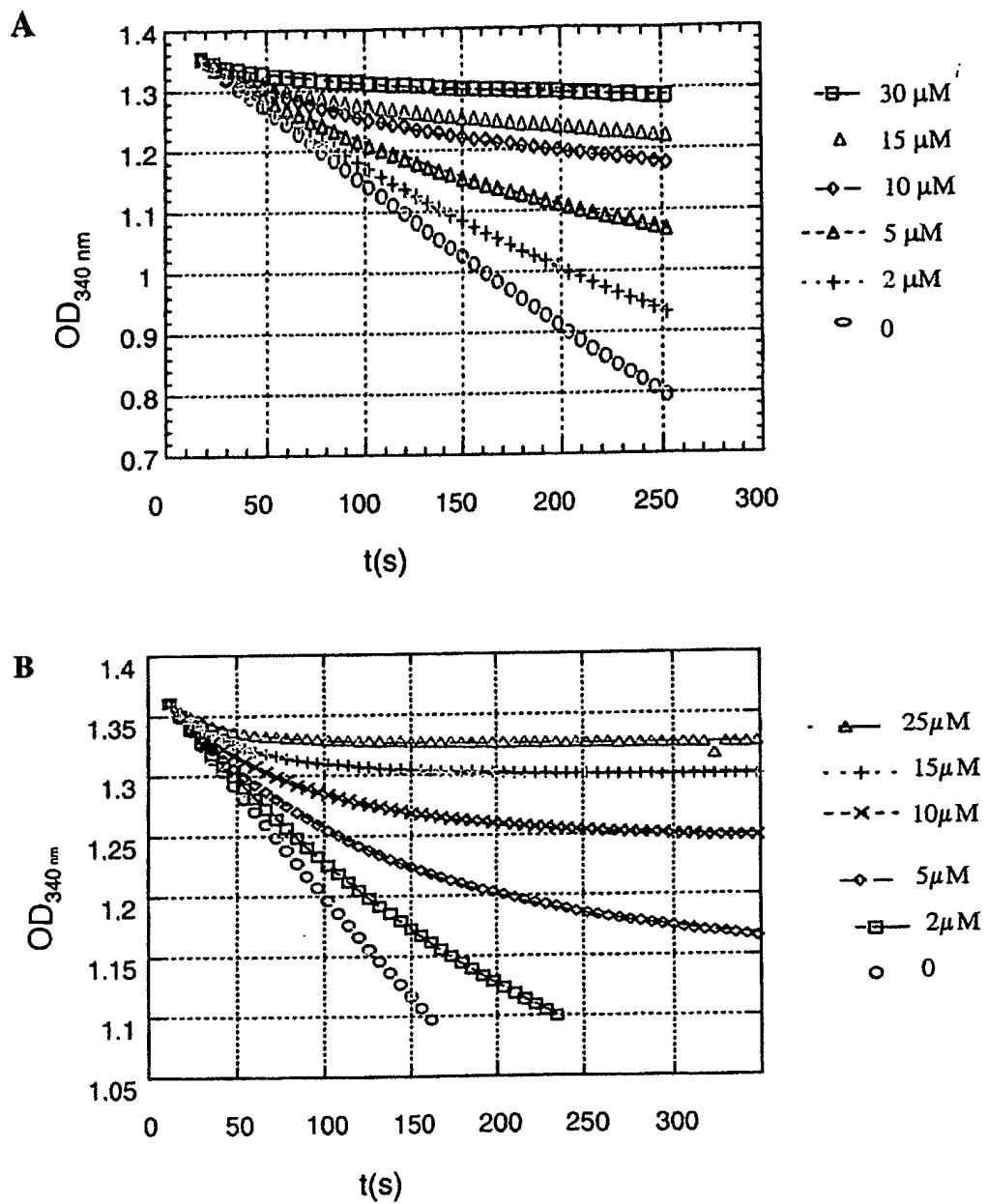


Fig.7

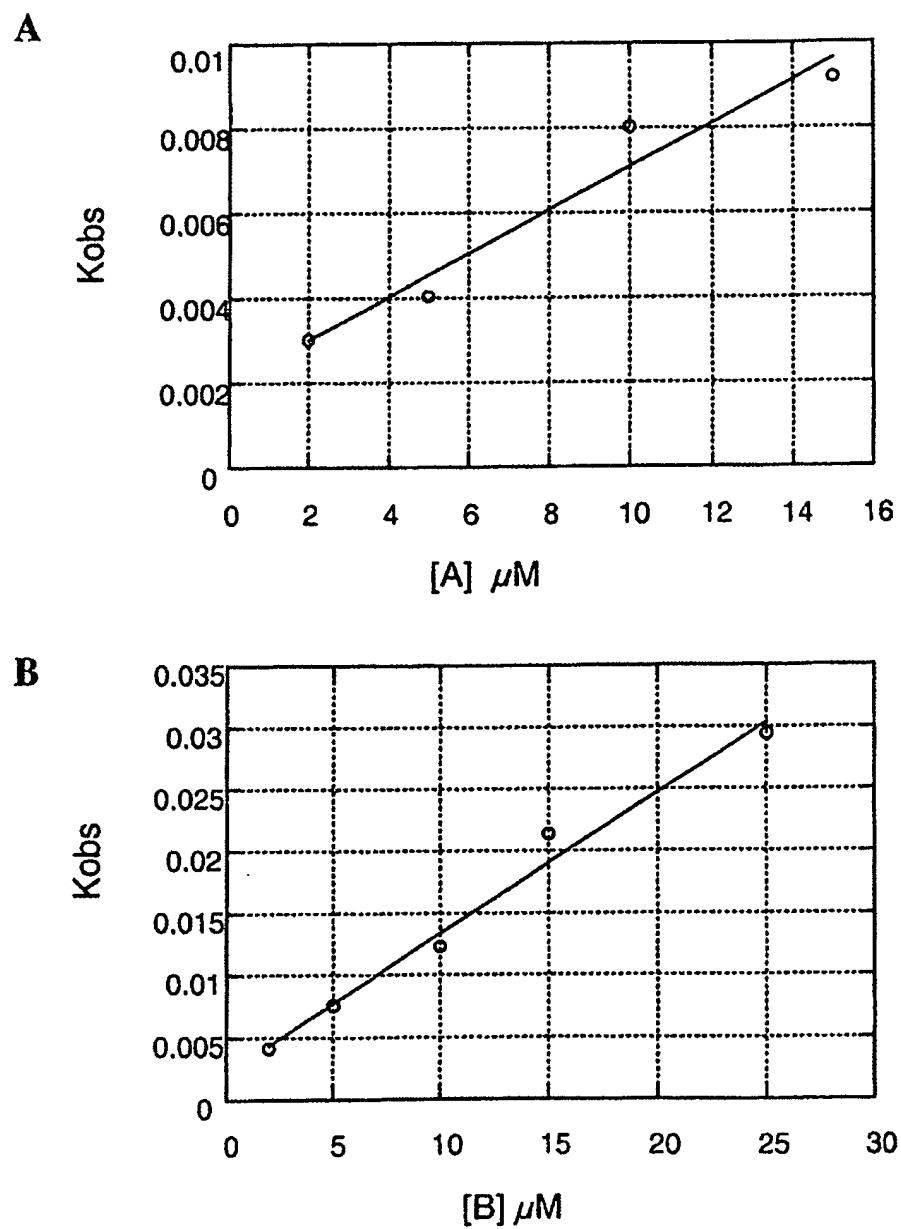


Fig. 8

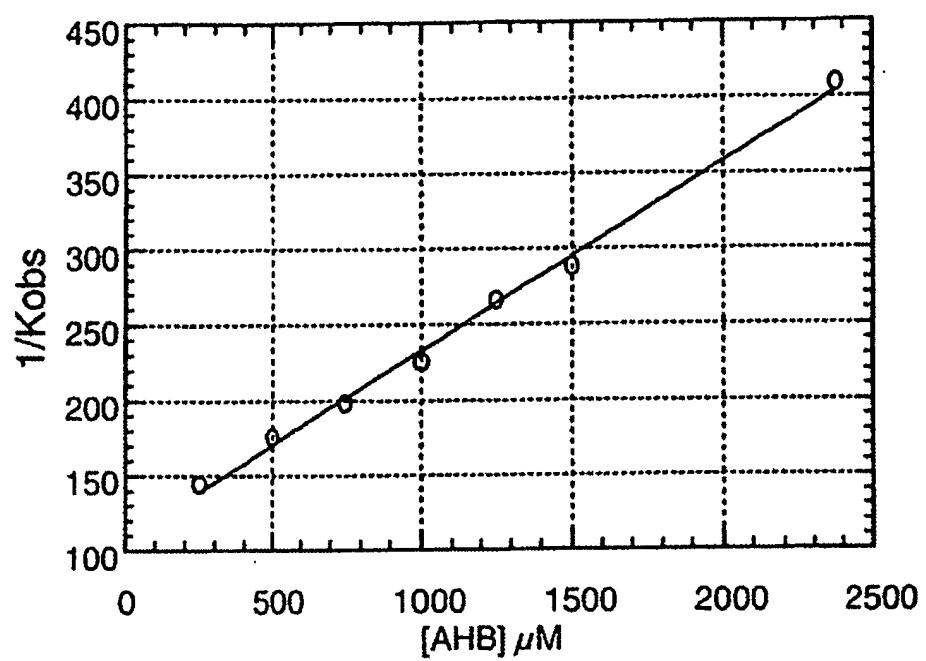
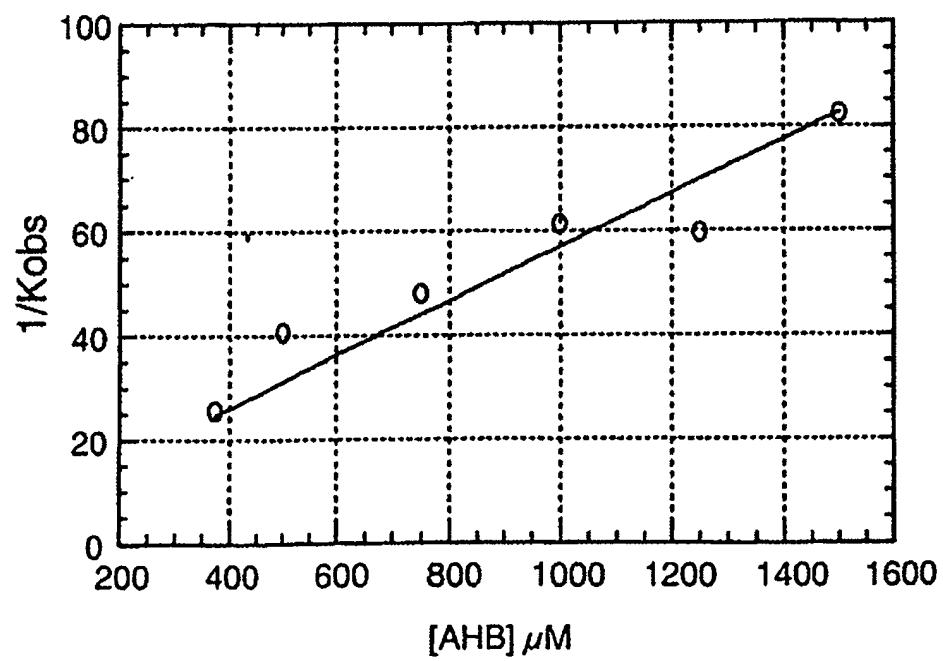
A**B**

Fig. 9